



SUPPLEMENT ANALYSIS

for

Continued Operation of
Lawrence Livermore National Laboratory and
Sandia National Laboratories, Livermore

Volume II: Comment Response Document



March 1999

DOE/EIS-0157-SA-01

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ABBREVIATIONS AND ACRONYMS

ADAPT	Advanced Design and Production Technology
ARIES	Advanced Recovery Integrated Extraction System
AVLIS	Atomic Vapor Laser Isotope Separation
°C	Degrees Celsius
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CTBT	Comprehensive Test Ban Treaty
DNFSB	Defense Nuclear Facilities Safety Board
DOE	U.S. Department of Energy
DTSC	California Department of Toxic Substances Control
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
EPC	Engineered Plume Collapse
ES&H	Environment, Safety and Health
°F	Degrees Fahrenheit
FONSI	Finding of No Significant Impact
g	Gram
HEPA	High Efficiency Particulate Air (filter)
IPD	Integrated Process Demonstration
JON	Judgements of Needs
kg	Kilogram
LLNL	Lawrence Livermore National Laboratory
LLMW	Low-Level Mixed Waste
LLW	Low-Level Radioactive Waste
MOX	Mixed Oxide (fuel)
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazards Air Pollutants
NIF	National Ignition Facility
NOD	Notices of Deficiency
NOV	Notice of Violation
NTS	Nevada Test Site
OAK	DOE Oakland Operations Office
ORPS	Occurrence Reporting and Processing System
PEIS	Programmatic Environmental Impact Statement
Pu	Plutonium
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
SA	Supplement Analysis
SAER	Site Annual Environmental Report
SAR	Safety Analysis Report
SNL-L	Sandia National Laboratories, Livermore
START	Strategic Arms Reduction Treaty

TSF	Terascale Simulation Facility
U	Uranium
USEC	U.S. Enrichment Corporation
VOC	Volatile Organic Compound
WIPP	Waste Isolation Pilot Plant
WM	Waste Management (PEIS)

1 INTRODUCTION

1.1 BACKGROUND

The U.S. Department of Energy (DOE), prepared a draft Supplement Analysis (SA) for Continued Operation of Lawrence Livermore National Laboratory (LLNL) and Sandia National Laboratories, Livermore (SNL-L), in accordance with DOE's requirements for implementation of the National Environmental Policy Act of 1969 (NEPA) (10 Code of Federal Regulations [CFR] Part 1021.314). It considers whether the Final Environmental Impact Statement and Environmental Impact Report for Continued Operation of Lawrence Livermore National Laboratory and Sandia National Laboratories, Livermore (1992 EIS/EIR) should be supplemented, whether a new environmental impact statement (EIS) should be prepared, or no further NEPA documentation is required.

The SA examines the current project and program plans and proposals for LLNL and SNL-L, operations to identify new or modified projects or operations or new information for the period from 1998 to 2002 that was not considered in the 1992 EIS/EIR. When such changes, modifications, and information are identified, they are examined to determine whether they could be considered substantial or significant in reference to the 1992 proposed action and the 1993 Record of Decision (ROD). DOE released the draft SA to the public to obtain stakeholder comments and to consider those comments in the preparation of the final SA. DOE distributed copies of the draft SA to those who were known to have an interest in LLNL or SNL-L activities in addition to those who requested a copy. In response to comments received, DOE prepared this Comment Response Document.

1.2 PUBLIC PARTICIPATION

DOE issued and distributed the draft SA for public review and comment on January 26, 1999. The public comment period extended to February 25, 1999. DOE held two public briefings on the draft SA on February 11, 1999, in Livermore, California. The public briefings were held to receive oral and written comments and to provide information on the SA to the public. Spoken comments given during the public briefings were recorded by a court reporter and a transcript produced. The briefings on the SA were conducted using an informal format with a facilitator. The format chosen allowed for a two-way interaction between DOE and the public. The facilitator helped to direct and clarify discussions and comments, allowing every commentor the chance to formally present comments.

DOE considered all comments to evaluate the accuracy and adequacy of the draft SA and to determine whether its text needed to be corrected, clarified, or otherwise revised. DOE gave equal weight to spoken and written comments, to comments received at the public briefings, and

to comments received in other ways during the response period. Comments were reviewed for content and relevance to the environmental analysis contained in the draft SA.